

Title Respiration patterns and quality characteristic of *wani* fruit (*Mangifera caesia* Jack) stored at different temperature

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Citation Program and Abstracts, 4th International Symposium on Tropical and Subtropical Fruits, November 3-7 2008, Bogor, Indonesia. 215 pages.

Keyword *Mangifera caesia* Jack; respiration; storage life; chilling injury

Abstract

This research was conducted to find out the respiration and quality characteristics of *wani* fruit at different storage temperatures. The results showed that the *wani* fruit was a climacteric fruit, in which the rate of respiration increased during ripening period. Lowering of storage temperature of *wani* fruit reduced the rate of respiration and climacteric peak. The temperature significantly affected the texture of the intact fruits, total acid and total soluble solid of the fruit flesh. It was found that the best storage temperature of *wani* fruit, which resulted in lower respiration rate and prolong storage life without chilling injury, was about 8°C.